Course Description:
This course will cover advanced topics on the biochemical basis of human diseases, molecular medicine and structure based drug design.

Prerequisite:
LIFS 4760 or equivalent

Intended Learning Outcomes:
At the end of this course, students are expected to:
- Gain knowledge about the molecular mechanism underling certain human diseases.
- Learn how to apply knowledge from modern biomedical sciences to evaluate current treatments and envision potential future treatments.

2016/17 Spring Semester
Date/Time: Fri 10:30AM - 01:20PM
Venue: Rm 6591, Lift 31-32
Course coordinator: Prof. Kai Liu, kailiu@ust.hk x7277, office@5445

Feb 17 Mental Disorder Prof. Kai Liu
Feb 24 Drugs and the Brain Prof. Jun Xia
Mar 03 Protein Homeostasis in Health and Disease Prof. Yusong Guo
Mar 10 Hippo signaling in cancer Prof. Yan Yan
Mar 17 Disease modeling and drug screening using zebrafish model system Prof. Zilong Wen
Mar 31 Student presentation Prof. Kai Liu
Apr 07 Student presentation Prof. Yusong Guo
Apr 21 Student presentation Prof. Yan Yan
Apr 28 Student presentation Prof. Zilong Wen
May 05 Student presentation Prof. Jun Xia

[May 27 written reports due]

Assessment Scheme:
One topic will be assigned to each student. Each student will give one 25 minute oral presentation (40%) on an assigned topic/paper and five 1–2 pages written reviews on assigned papers, one per topic (50%). Attendance will be checked (10%).